

## CLAIM AMENDMENTS

1-12 (canceled)

13. (currently amended) A swing door apparatus for controlling movement of a swing door, the swing door apparatus comprising ~~an operation shaft~~ a swing arm for connection to the swing ~~door~~ door, an operation shaft connected to the swing arm whereby the operating operation shaft turns in accordance with movement of the swing door, a common potentiometer shaft coupled to the operation shaft whereby the potentiometer shaft turns in accordance with the turning movement of the operation shaft, and first and second potentiometers coupled with the common potentiometer shaft, the first and second potentiometers having at least substantially identical characteristic curves and being arranged in conjunction with the common potentiometer shaft so that the respective characteristic curves are shifted in phase with respect to one another.

14. (previously presented) A swing door apparatus according to claim 13, wherein the respective characteristic curves are shifted in phase with respect to one another by substantially 180°.

15. (currently amended) A swing door apparatus according to claim 13, wherein the characteristic curves of the potentiometers each include a linear range and the apparatus comprises a control unit which ~~is arranged to select~~ selects each time the potentiometer to be used for the detection of door position so that the detection of door position ~~detecting~~ is performed within the linear range of the selected potentiometer.

16. (previously presented) A swing door apparatus according to claim 13, wherein the common potentiometer shaft is mounted to a drive wheel which is mechanically coupled to said operation shaft for turning the common potentiometer shaft.

17. (previously presented) A swing door apparatus according to claim 16, wherein the drive wheel is a gear that is in meshing engagement with a gear attached to the operation shaft.

18. (previously presented) A swing door apparatus according to claim 13, comprising an electric motor coupled drivingly to said operation shaft and a power source for supplying power to the electric motor, and wherein said potentiometers receive power from said power source.

19. (previously presented) A swing door apparatus according to claim 13, comprising a body structure to which the potentiometers are attached, and wherein each potentiometer has a slider member connected to the potentiometer shaft for turning therewith.

20-21 (canceled)

22. (new) A swing door apparatus according to claim 13, wherein the common potentiometer shaft is parallel to, and laterally spaced from, the operation shaft and is connected to the operation shaft by a first gear wheel that is connected to the potentiometer shaft and a second gear wheel that is connected to the operation shaft and is in meshing engagement with the first gear wheel.

23. (new) A swing door apparatus comprising a door hinged to a door frame, a swing arm connected to the door, and a control apparatus comprising an operation shaft connected to the swing arm whereby the operation shaft turns in accordance with movement of the door, a common potentiometer shaft coupled to the operation shaft whereby the potentiometer shaft turns in accordance with the turning movement of the operation shaft, and first and second potentiometers coupled with the common potentiometer shaft, the first and second potentiometers having at least substantially identical characteristic curves and being arranged in conjunction with the common

potentiometer shaft so that the respective characteristic curves are shifted in phase with respect to one another.

24. (new) A swing door apparatus according to claim 23, wherein the control apparatus comprises an electric motor coupled drivingly to said operation shaft and a power source for supplying power to the electric motor, and wherein said potentiometers receive power from said power source.